

## SaproExtract®

### Biostimulant

#### TYPICAL ANALYSIS

No	Composition name	Quantity in natural material, %	Quantity in dry material, %
1.	pH at 20°C	6,2	
2.	Dry Material	3,8%	
3.	Total Nitrogen(N)	0,1%	2,6 %
4.	Total phosphorus(P)	0,05%	1,3%
5.	Total potassium (K)	0,3%	8%
6.	Humic acids	1,3%	34,2%
7.	Organic carbon	1,4%	35%
8.	Amino acids	0,29%	7,5%
9.	Aerobic microorganisms (1ml)	9,8 x 10 <sup>6</sup>	
10.	Density	1,01g/ml	
11.	Ca, Na, Mg, S, Fe, B, Co, Cu, Mo, Mn, Zn	<1%	< 1 %

#### TYPICAL PROPERTIES

Freezing point, °C < 0  
 Viscosity at 20 °C (mPa.s) 10-30  
 Electrical conductivity at 25°C 0.78 mS/cm  
 Appearance Dark brown resinous solution, odorless

#### To be used for:

- Treatment of seeds and planting material roots;
- Fertilizing plants through leaves during vegetation;
- Spraying into the soil before sowing;
- Plant root fertilization during vegetation;
- Promotion of mineralization processes of stubble and straw residues;
- Increasing fertility and improving the quality of grown products;
- For enrichment and preparation of various substrates, compost or soil mixtures.

#### Application and rates: Ÿ

- For plant fertilization through leaves, use during intensive growth, 2-3 time during the growing season. Rate: 3.0 l/ha
- For fertilizing plants by watering, use during the growing season every 7-10 days. Rate: 1.0l/ 300-400l H<sub>2</sub>O
- For seed coating: 2.0l/ 1 ton of grain.
- For plant root treatment, make a solution of 1:100 with H<sub>2</sub>O.
- For soil enrichment by spraying, depending on soil properties, rate: 5.0-10.0l/ha

\*\* for specific crop application rates or technical support, please contact Biodinamika UAB +37061599950 or by email: [export@biodinamika.eu](mailto:export@biodinamika.eu).

#### Benefits to the plant:

- SaproExtract® stimulates the development of the plant's root system and accelerates further growth processes;
- SaproExtract® improves seed germination and seedling survival;
- SaproExtract® activates plant immunity and enhances photosynthesis and respiratory processes;
- SaproExtract® has anti-stress effect, increases plant resistance to adverse climatic conditions, toxins and pollution;
- SaproExtract® improves the quality of harvest, increases the amount of vitamins and useful trace elements in fruits and vegetables;
- Suitable for use throughout the plant vegetation cycle;
- SaproExtract® gives the plant antidote properties with anti-stress effects during the use of pesticides;

#### Benefits to soil:

- SaproExtract® has a unique property - when it gets into the soil or sand, it forms a membrane at the molecular level that helps prevent moisture from evaporating in the soil, thus saving precious water during irrigation.
- SaproExtract® increases the biological activity of the soil, has a regulating effect on the natural rhizosphere microflora, promotes the multiplication of beneficial microorganisms, including nitrogen-fixing microorganisms;
- SaproExtract® improves soil moisture retention properties, heavy clay soils become looser;
- SaproExtract® helps maintain a fertile layer and humus content in problematic soils;
- SaproExtract® helps to clean the soil from pathogenic bacteria and microorganisms as well as fungal pathogens;
- SaproExtract® enriches depleted soil and makes it „work“, thus resulting in a fertile layer, and allows to increase humus content in the soil;
- The substrate to which spropel is added is better at retaining moisture, this means that such soil needs less watering;
- Natural sorbent is capable to bind organic compounds and to protect materials against leaching.

#### Recommendation for storage and use:

Spray on a windless and non-sunny day, best in the morning or evening. Can be sprayed in dew or after rain. Before use, the fertilizer must be mixed. It is recommended to spray the reconstituted solution within 48 hours. Storage: The product is not dangerous, contains no chemical or mineral additives. Odourless. Non-flammable. The product is in a stable physical and chemical state, filtrated, suitable for spraying with modern automated sprayers. Suitable for transportation. It is recommended to store at a temperature of 0 - 35° C, avoiding direct sunlight. Shelf life: 24 months